

This safety data sheet was created pursuant to the requirements of:  
UK REACH Regulations (SI 2019/758 as amended)

**Supersedes date** 04-Jun-2020

**Revision date** 07-Nov-2024

**Revision Number** 3

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

|                                 |                                                                                                                                                                                                                               |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code(s)</b>          | 20310                                                                                                                                                                                                                         |
| <b>Safety data sheet number</b> | 20310                                                                                                                                                                                                                         |
| <b>Product Name</b>             | 2-(2-ETHOXYETHOXY)ETHANOL                                                                                                                                                                                                     |
| <b>EC Number</b>                | 203-919-7                                                                                                                                                                                                                     |
| <b>CAS No</b>                   | 111-90-0                                                                                                                                                                                                                      |
| <b>Synonyms</b>                 | DIETHYLENE GLYCOL MONOETHYL ETHER, CARBITOL SOLVENT LOW GRAVITY, CARBITOL SOLVENT, ETHYL DIGLYCOL MIN 98%, EDG, CARBITOL SOLVENT PERSONAL CARE GRADE EU, ETHYL DIGLYCOL, ETHYL DIGLYCOL, CARBITOL SOLVENT PERSONAL CARE GRADE |
| <b>Pure substance/mixture</b>   | Substance                                                                                                                                                                                                                     |
| <b>Molecular weight</b>         | 134 g/mol                                                                                                                                                                                                                     |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

|                        |                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Recommended use</b> | Formulation & (re)packing of substances and mixtures.<br>Cleaning agent<br>Personal care<br>Cosmetics<br>Solvent<br>Fuel additive<br>Surface coating<br>Industrial use<br>Consumer use<br>Professional use |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 1.3. Details of the supplier of the safety data sheet

#### **Supplier**

Univar Solutions UK Ltd  
Aquarius House  
6 Mid Point Business Park  
Bradford  
GBR

For further information, please contact

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| <b>E-mail address</b>                 | SDS.EMEA@univarsolutions.com      |
| <b>Non-Emergency Telephone Number</b> | +44 1274 267300 / +44 1274 267306 |

**1.4. Emergency telephone number**

Emergency Telephone SGS - +32 (0)3 575 55 55 (24h)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Not classified

**2.2. Label elements**

Not classified

**Hazard statements**

Not classified

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients****3.1 Substances**

| Chemical name                         | Weight-% | EC No (EU Index No) | UK REACH registration number | Classification according to GB CLP (SI 2020/1567 as amended) | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|---------------------------------------|----------|---------------------|------------------------------|--------------------------------------------------------------|------------------------------------|----------|----------------------|
| 2-(2-ETHOXYETHOXY)ETHANOL<br>111-90-0 | > 99.0 % | 203-919-7           | -                            | Not classified                                               | -                                  | -        | -                    |

**Full text of H- and EUH-phrases: see section 16**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (UK REACH Article 59)

**SECTION 4: First aid measures****4.1. Description of first aid measures****General advice**

Use personal protection recommended in Section 8.

**Inhalation**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.

**Eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.

|                     |                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin contact</b> | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if symptoms occur. |
| <b>Ingestion</b>    | Rinse mouth thoroughly with water. Do NOT induce vomiting. Get medical attention if symptoms occur.                                                 |

#### **4.2. Most important symptoms and effects, both acute and delayed**

##### **Symptoms**

|             |                                     |
|-------------|-------------------------------------|
| <b>Eyes</b> | May cause temporary eye irritation. |
|-------------|-------------------------------------|

#### **4.3. Indication of any immediate medical attention and special treatment needed**

|                        |                        |
|------------------------|------------------------|
| <b>Note to doctors</b> | Treat symptomatically. |
|------------------------|------------------------|

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

|                                       |                                                                        |
|---------------------------------------|------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>   | Dry chemical, CO <sub>2</sub> , alcohol-resistant foam or water spray. |
| <b>Large Fire</b>                     | CAUTION: Use of water spray when fighting fire may be inefficient.     |
| <b>Unsuitable extinguishing media</b> | Do not scatter spilled material with high pressure water streams.      |

#### **5.2. Special hazards arising from the substance or mixture**

|                                                   |                                                                                                                                                                                                                                                          |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specific hazards arising from the chemical</b> | When heated and in case of fire, toxic vapours/gases may be formed. Containers can burst violently when heated, due to excess pressure build-up. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.. |
| <b>Hazardous combustion products</b>              | Carbon oxides. Aldehydes. Ketone. Organic Acids.                                                                                                                                                                                                         |

#### **5.3. Advice for firefighters**

|                                                                       |                                                                                                                                    |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Special protective equipment and precautions for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

|                                 |                                                                                                                                                                                                                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>     | Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes and inhalation of vapours. Evacuate personnel to safe areas. Keep unnecessary and unprotected personnel from entering. Keep people away from and upwind of spill/leak. No smoking in area. |
| <b>For emergency responders</b> | Use personal protection recommended in Section 8.                                                                                                                                                                                                                                                       |

#### **6.2. Environmental precautions**

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information. |
|----------------------------------|-------------------------------------------------------|

#### **6.3. Methods and material for containment and cleaning up**

|                                        |                                                                                                                                                                |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods for containment</b>         | Prevent further leakage or spillage if safe to do so.                                                                                                          |
| <b>Methods for cleaning up</b>         | Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Pick up and transfer to properly labelled containers. |
| <b>Prevention of secondary hazards</b> | Clean contaminated objects and areas thoroughly observing environmental regulations.                                                                           |

#### **6.4. Reference to other sections**

|                                    |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| <b>Reference to other sections</b> | See section 8 for more information. See section 13 for more information. |
|------------------------------------|--------------------------------------------------------------------------|

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Advice on safe handling</b>        | Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes and inhalation of vapours. Keep away from heat, sparks and open flame. Do not swallow. Wash skin thoroughly after handling. Keep container closed when not in use. Containers, even those that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers. Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion. |
| <b>General hygiene considerations</b> | Wash hands before breaks and immediately after handling the product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### **7.2. Conditions for safe storage, including any incompatibilities**

|                            |                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage Conditions</b>  | Keep container tightly closed in a dry and well-ventilated place. Keep in properly labelled containers. See section 10 for more information.                                                        |
| <b>Packaging materials</b> | Suitable container/equipment material: Carbon Steel. stainless steel. Phenolic lined steel drums.<br>Unsuitable container/equipment material. Aluminium. copper. Galvanized iron. Galvanized steel. |

### **7.3. Specific end use(s)**

**Specific use(s)**  
See section 1 for more information.

|                                      |                                                                  |
|--------------------------------------|------------------------------------------------------------------|
| <b>Risk Management Methods (RMM)</b> | The information required is contained in this Safety Data Sheet. |
|--------------------------------------|------------------------------------------------------------------|

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

|                                                |                                                                                                                                                             |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Exposure Limits</b>                         | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |
| <b>Biological occupational exposure limits</b> | This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.            |

**Derived No Effect Level (DNEL) - Workers**

| Chemical name                         | Oral | Dermal                                                    | Inhalation                                                   |
|---------------------------------------|------|-----------------------------------------------------------|--------------------------------------------------------------|
| 2-(2-ETHOXYETHOXY)ETHANOL<br>111-90-0 |      | 83 mg/kg bw/day [4] [6]<br>1.5 mg/cm <sup>2</sup> [5] [6] | 61 mg/m <sup>3</sup> [4] [6]<br>30 mg/m <sup>3</sup> [5] [6] |

[4] Systemic health effects.  
 [5] Local health effects.  
 [6] Long term.

**Derived No Effect Level (DNEL) - General Public**

| Chemical name                         | Oral                    | Dermal                                                 | Inhalation                                                   |
|---------------------------------------|-------------------------|--------------------------------------------------------|--------------------------------------------------------------|
| 2-(2-ETHOXYETHOXY)ETHANOL<br>111-90-0 | 50 mg/kg bw/day [4] [6] | 25 mg/kg/day [4] [6]<br>0.9 mg/cm <sup>2</sup> [5] [6] | 37 mg/m <sup>3</sup> [4] [6]<br>18 mg/m <sup>3</sup> [5] [6] |

[4] Systemic health effects.  
 [5] Local health effects.  
 [6] Long term.

**Predicted No Effect Concentration (PNEC)**

| Chemical name                         | Freshwater | Freshwater<br>(intermittent release) | Marine water | Marine water<br>(intermittent release) | Air |
|---------------------------------------|------------|--------------------------------------|--------------|----------------------------------------|-----|
| 2-(2-ETHOXYETHOXY)ETHANOL<br>111-90-0 | 1.98 mg/L  | 19.8 mg/L                            | 0.198 mg/L   |                                        |     |

| Chemical name                         | Freshwater<br>sediment    | Marine sediment            | Sewage treatment | Soil               | Food chain     |
|---------------------------------------|---------------------------|----------------------------|------------------|--------------------|----------------|
| 2-(2-ETHOXYETHOXY)ETHANOL<br>111-90-0 | 7.32 mg/kg<br>sediment dw | 0.732 mg/kg<br>sediment dw | 500 mg/L         | 0.34 mg/kg soil dw | 444 mg/kg food |

**8.2. Exposure controls**

**Engineering controls** No information available.

**Personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles). Use eye protection according to EN 166.

**Hand protection** Wear suitable gloves. Gloves must conform to standard EN 374.

**Skin and body protection** Wear appropriate clothing to prevent reasonably probable skin contact.

**Respiratory protection** Use appropriate respiratory protection.  
 Organic gases and vapours filter conforming to EN 14387. Type A.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                 |                          |
|-----------------|--------------------------|
| Physical state  | Liquid                   |
| Appearance      | Liquid                   |
| Colour          | Colourless               |
| Odour           | Mild. Pleasant.          |
| Odour threshold | No information available |

| Property                                | Values                                                     | Remarks • Method             |
|-----------------------------------------|------------------------------------------------------------|------------------------------|
| Melting point / freezing point          | -54 - -78 °C                                               | Read-across.                 |
| Initial boiling point and boiling range | 196 - 202 °C                                               | Read-across.                 |
| Flammability                            |                                                            | No information available.    |
| Flammability Limit in Air               |                                                            | Read-across.                 |
| Upper flammability or explosive limits  | 23.5 % vol                                                 |                              |
| Lower flammability or explosive limits  | 1.2 % vol                                                  |                              |
| Flash point                             | 91 - 94 °C                                                 | Seta Closed Cup. ASTM D3828. |
| Autoignition temperature                | 204 °C                                                     | Read-across.                 |
| Decomposition temperature               |                                                            | No information available.    |
| pH                                      |                                                            | No information available.    |
| pH (as aqueous solution)                |                                                            | No information available.    |
| Kinematic viscosity                     |                                                            | No information available.    |
| Dynamic viscosity                       | 4.4 mPa s                                                  | @ 20 °C. Read-across.        |
| Water solubility                        | Miscible with water<br>> 1000 g/l @ 20 °C                  | Read-across.                 |
| Solubility(ies)                         |                                                            | No information available.    |
| Partition coefficient                   | log Pow: -0.54                                             |                              |
| Vapour pressure                         | 0.017 kPa                                                  | @ 25 °C. Read-across.        |
| Relative density                        | 0.99                                                       | 20 °C / 20 °C. Read-across.  |
| Bulk density                            |                                                            | No information available     |
| Liquid Density                          | 0.998 g/cm3                                                | @ 20 °C Read-across          |
| Relative vapour density                 |                                                            | No information available.    |
| Particle characteristics                |                                                            | Not applicable. liquid.      |
| Particle Size                           | No information available                                   |                              |
| Particle Size Distribution              | No information available                                   |                              |
| Explosive properties                    | Not considered to be explosive.                            |                              |
| Oxidising properties                    | Does not meet the criteria for classification as oxidising |                              |

**9.2. Other information**

|                  |                                  |
|------------------|----------------------------------|
| Molecular weight | 134 g/mol 0.01 n-butyl acetate=1 |
|------------------|----------------------------------|

**SECTION 10: Stability and reactivity****10.1. Reactivity**

|            |                           |
|------------|---------------------------|
| Reactivity | No information available. |
|------------|---------------------------|

**10.2. Chemical stability**

|           |                                 |
|-----------|---------------------------------|
| Stability | Stable under normal conditions. |
|-----------|---------------------------------|

**Explosion data**

|                                  |       |
|----------------------------------|-------|
| Sensitivity to mechanical impact | None. |
| Sensitivity to static discharge  | None. |

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**Hazardous polymerisation** Hazardous polymerisation does not occur.

#### 10.4. Conditions to avoid

**Conditions to avoid** Do not distill to dryness. Product can oxidise at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems.

#### 10.5. Incompatible materials

**Incompatible materials** Strong acids. Strong bases. Strong oxidising agents.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Carbon oxides. Aldehydes. Ketone. Organic Acids.

### **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

##### Information on likely routes of exposure

##### **Product Information**

|                     |                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Inhalation of vapours in high concentration may cause irritation of respiratory system. |
| <b>Eye contact</b>  | May cause temporary eye irritation. Corneal injury is unlikely.                         |
| <b>Skin contact</b> | Prolonged exposure not likely to cause significant skin irritation.                     |
| <b>Ingestion</b>    | May cause discomfort if swallowed.                                                      |

##### Symptoms related to the physical, chemical and toxicological characteristics

##### **Symptoms**

##### Acute toxicity

##### **Numerical measures of toxicity**

##### **Component Information**

| Chemical name             | Oral LD50              | Dermal LD50             | Inhalation LC50 |
|---------------------------|------------------------|-------------------------|-----------------|
| 2-(2-ETHOXYETHOXY)ETHANOL | = 6031 mg/kg ( Mouse ) | = 9143 mg/kg ( Rabbit ) | -               |

##### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Prolonged exposure not likely to cause significant skin irritation.

##### **2-(2-ETHOXYETHOXY)ETHANOL (111-90-0)**

| Method | Species | Exposure route | Effective dose | Exposure time | Results                                                             |
|--------|---------|----------------|----------------|---------------|---------------------------------------------------------------------|
|        |         |                |                |               | Prolonged exposure not likely to cause significant skin irritation. |

**Serious eye damage/eye irritation** May cause temporary eye irritation. Corneal injury is unlikely.

## 2-(2-ETHOXYETHOXY)ETHANOL (111-90-0)

| Method | Species | Exposure route | Effective dose | Exposure time | Results                                                       |
|--------|---------|----------------|----------------|---------------|---------------------------------------------------------------|
|        |         |                |                |               | May cause temporary eye irritation Corneal injury is unlikely |

**Respiratory or skin sensitisation** Not a skin sensitiser.

## 2-(2-ETHOXYETHOXY)ETHANOL (111-90-0)

| Method | Species        | Exposure route | Results               |
|--------|----------------|----------------|-----------------------|
|        | Human evidence | Dermal         | Not a skin sensitiser |

**Germ cell mutagenicity** Not mutagenic.

## Component Information

## 2-(2-ETHOXYETHOXY)ETHANOL (111-90-0)

| Method | Species  | Results                                                       |
|--------|----------|---------------------------------------------------------------|
|        | in vitro | Negative                                                      |
|        |          | Negative Did not show mutagenic effects in animal experiments |

**Carcinogenicity** Did not cause cancer in laboratory animals.

## Component Information

## 2-(2-ETHOXYETHOXY)ETHANOL (111-90-0)

| Method | Species | Results                                     |
|--------|---------|---------------------------------------------|
|        |         | Did not cause cancer in laboratory animals. |

**Reproductive toxicity** Studies in laboratory animals indicate that diethylene glycol monoethyl ether (DEGEE) is not a reproductive toxicant even when given in large amounts (a few percent in the drinking water). However, at the highest doses, it caused some toxic effects in offspring of treated animals: increased liver weight, decreased brain weight, reduced sperm motility.

## 2-(2-ETHOXYETHOXY)ETHANOL (111-90-0)

| Method | Species | Results                                                                                                                                                                                                                                                                                                                                                           |
|--------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        |         | Studies in laboratory animals indicate that diethylene glycol monoethyl ether (DEGEE) is not a reproductive toxicant even when given in large amounts (a few percent in the drinking water). However, at the highest doses, it caused some toxic effects in offspring of treated animals: increased liver weight, decreased brain weight, reduced sperm motility. |

**STOT - single exposure** Evaluation of available data suggests that this material is not an STOT-SE toxicant.

## 2-(2-ETHOXYETHOXY)ETHANOL (111-90-0)

| Method | Species | Exposure route | Effective dose | Exposure time | Results                                                                             |
|--------|---------|----------------|----------------|---------------|-------------------------------------------------------------------------------------|
|        |         |                |                |               | Evaluation of available data suggests that this material is not an STOT-SE toxicant |

**STOT - repeated exposure**

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

## Component Information

## 2-(2-ETHOXYETHOXY)ETHANOL (111-90-0)

| Method | Species | Exposure route | Effective dose | Exposure time | Results                                                                                              |
|--------|---------|----------------|----------------|---------------|------------------------------------------------------------------------------------------------------|
|        |         |                |                |               | Based on available data, repeated exposures are not anticipated to cause significant adverse effects |

**Aspiration hazard**

Based on available data the classification criteria are not met.

**Other adverse effects**

No information available.

**SECTION 12: Ecological information****12.1. Toxicity****Ecotoxicity**

Not considered to be harmful to aquatic life.

## 2-(2-ETHOXYETHOXY)ETHANOL (111-90-0)

| Method                                                                                       | Species                 | Endpoint type | Effective dose | Exposure time | Results |
|----------------------------------------------------------------------------------------------|-------------------------|---------------|----------------|---------------|---------|
| OECD Test No. 203: Fish, Acute Toxicity Test or Equivalent.                                  | Ictalurus catus         | LC50          | 6010 mg/L      | 96 hours      |         |
| OECD Test No. 202: Daphnia sp., Acute Immobilisation Test or Equivalent.                     | Daphnia magna           | LC50          | 1982 mg/L      | 48 hours      |         |
| OECD Test No. 201: Freshwater Algae and Cyanobacteria, Growth Inhibition Test or Equivalent. | Desmodesmus subspicatus | ErC50         | > 100 mg/L     | 96 hours      |         |
|                                                                                              | Bacteria toxicity       | EC10          | 4000 mg/L      | 16 hours      |         |

**12.2. Persistence and degradability****Persistence and degradability**

Readily biodegradable.

## 2-(2-ETHOXYETHOXY)ETHANOL (111-90-0)

| Method                    | Exposure time | Value | Results               |
|---------------------------|---------------|-------|-----------------------|
| OECD Test No. 301B: Ready | 16 days       | 100%  | Readily biodegradable |

|                                                                                                    |          |                       |                       |
|----------------------------------------------------------------------------------------------------|----------|-----------------------|-----------------------|
| Biodegradability: CO <sub>2</sub> Evolution Test (TG 301 B)                                        |          |                       |                       |
| OECD Test No. 301E: Ready Biodegradability: Modified OECD Screening Test (TG 301 E) or Equivalent. | 28 days  | Biodegradation 90 %   | Readily biodegradable |
| OECD Test No. 302B: Inherent Biodegradability: Zahn-Wellens/ EVPA Test or Equivalent.              | 5.5 days | Biodegradation > 90 % | Readily biodegradable |

**12.3. Bioaccumulative potential**

**Bioaccumulation** Not likely to bioaccumulate.

**Component Information**

| Chemical name             | Partition coefficient |
|---------------------------|-----------------------|
| 2-(2-ETHOXYETHOXY)ETHANOL | -0.54                 |

**12.4. Mobility in soil**

**Mobility in soil** Miscible with water.

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB.

| Chemical name             | PBT and vPvB assessment         |
|---------------------------|---------------------------------|
| 2-(2-ETHOXYETHOXY)ETHANOL | The substance is not PBT / vPvB |

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

**SECTION 14: Transport information****IATA**

|                                   |               |
|-----------------------------------|---------------|
| 14.1 UN number or ID number       | Not regulated |
| 14.2                              |               |
| 14.3 Transport hazard class(es)   | Not regulated |
| 14.4 Packing group                | Not regulated |
| 14.5 Environmental hazards        | No            |
| 14.6 Special precautions for user |               |
| Special Provisions                | None          |

**IMDG**

|                                 |               |
|---------------------------------|---------------|
| 14.1 UN number or ID number     | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group              | Not regulated |

|                                                              |                          |
|--------------------------------------------------------------|--------------------------|
| 14.5 Environmental hazards                                   | No                       |
| 14.6 Special precautions for user                            |                          |
| Special Provisions                                           | None                     |
| 14.7 Maritime transport in bulk according to IMO instruments | No information available |

**RID**

|                                   |               |
|-----------------------------------|---------------|
| 14.1 UN number or ID number       | Not regulated |
| 14.2 UN proper shipping name      | Not regulated |
| 14.3 Transport hazard class(es)   | Not regulated |
| 14.4 Packing group                | Not regulated |
| 14.5 Environmental hazards        | No            |
| 14.6 Special precautions for user |               |
| Special Provisions                | None          |

**ADR**

|                                   |               |
|-----------------------------------|---------------|
| 14.1 UN number or ID number       | Not regulated |
| 14.2 UN proper shipping name      | Not regulated |
| 14.3 Transport hazard class(es)   | Not regulated |
| 14.4 Packing group                | Not regulated |
| 14.5 Environmental hazards        | No            |
| 14.6 Special precautions for user |               |
| Special Provisions                | None          |

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorisation (UK REACH - Annex XIV).

This product does not contain substances subject to restriction (UK REACH - Annex XVII).

**Persistent Organic Pollutants**

Not applicable

**Export Notification requirements**

Not applicable

**Named dangerous substances per COMAH Regulations 2015 (as amended)**

Not applicable

**The Ozone-Depleting Substances Regulations 2015**

Not applicable

**The Biocidal Products Regulations 2001 (as amended)**

Not applicable

**The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)**

Not applicable

**Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)**

Not applicable

**International Inventories****TSCA**

Contact supplier for inventory compliance status

**DSL/NDSL**

Contact supplier for inventory compliance status

|               |                                                  |
|---------------|--------------------------------------------------|
| EINECS/ELINCS | Contact supplier for inventory compliance status |
| ENCS          | Contact supplier for inventory compliance status |
| IECSC         | Contact supplier for inventory compliance status |
| KECI          | Contact supplier for inventory compliance status |
| PICCS         | Contact supplier for inventory compliance status |
| AIIC          | Contact supplier for inventory compliance status |
| NZIoC         | Contact supplier for inventory compliance status |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AIIC** - Australian Inventory of Industrial Chemicals  
**NZIoC** - New Zealand Inventory of Chemicals

**15.2. Chemical safety assessment**

**Chemical Safety Report** No Chemical Safety Assessment has been carried out for this substance/mixture

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

SVHC: Substances of Very High Concern for Authorisation:

**Legend Section 8: Exposure controls/personal protection**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |
| +       | Sensitisers                 |      |                                  |

Revision Note [SDS sections updated 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16](#)

**Classification procedure**

| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
|-----------------------------------------------------------------|--------------------|
| Acute oral toxicity                                             | Calculation method |
| Acute dermal toxicity                                           | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapour                              | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitisation                                       | Calculation method |
| Skin sensitisation                                              | Calculation method |
| Mutagenicity                                                    | Calculation method |
| Carcinogenicity                                                 | Calculation method |
| Reproductive toxicity                                           | Calculation method |
| STOT - single exposure                                          | Calculation method |
| STOT - repeated exposure                                        | Calculation method |
| Acute aquatic toxicity                                          | Calculation method |
| Chronic aquatic toxicity                                        | Calculation method |
| Aspiration hazard                                               | Calculation method |
| Ozone                                                           | Calculation method |

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)  
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
European Chemicals Agency (ECHA) (ECHA\_API)  
Environmental Protection Agency  
Acute Exposure Guideline Level(s) (AEGl(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
National Institute of Technology and Evaluation (NITE)  
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

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**This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)  
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

**Disclaimer**

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**End of Safety Data Sheet**